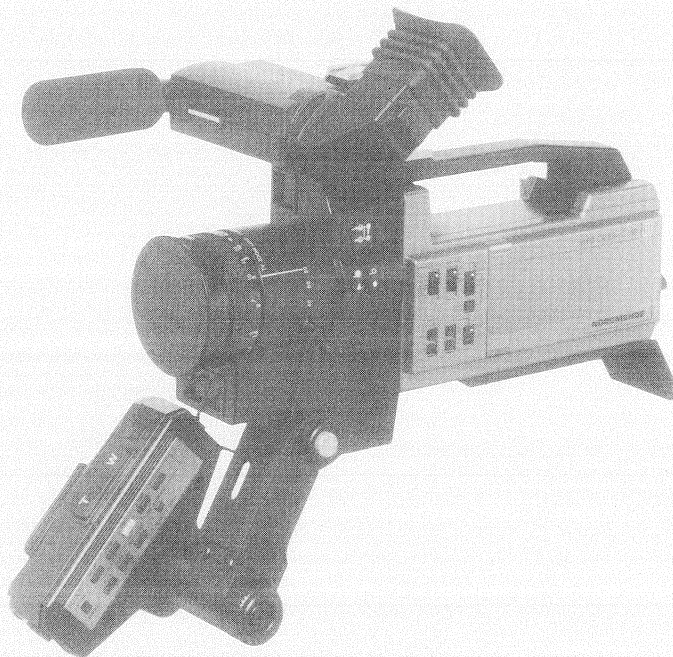


TECHNISCHER KUNDENDIENST

Service-Information

V770



Video Camera C 550 984.352 H
Camera Netzgerät N 202 983.368 H

NORDMENDE

Mit dieser Service-Information geben wir Ihnen Hinweise zur Durchführung normaler Service-Arbeiten. Sollten darüberhinaus Reparaturen erforderlich werden, dann wenden Sie sich bitte an Ihre nächste Niederlassung.

Reinigung des Objektivs

Das Objektiv ist oberflächenvergütet. Verwenden Sie zur Reinigung einen weichen Pinsel oder ein weiches, fusselfreies Tuch, evtl. mit klarem Wasser angefeuchtet. Fingerabdrücke können die Oberflächenbeschichtung angreifen. Empfehlenswert ist die Verwendung von Optikreiniger und Optikpapier. Keine chemisch behandelten Brillentücher verwenden!

Reinigung des Gehäuses

Verwenden Sie keinesfalls Lösungsmittel! Zur Reinigung verwenden Sie ein angefeuchtetes weiches Tuch. Bei starker Verschmutzung kann es in einer milden Seifen- oder Spülmittellösung getränkt werden.

Einstellung der Kamera für verschiedene Recorder

Die Kamera ist für verschiedene Recorder-Fabrikate umschaltbar:
— die Abdeckung oberhalb der Anschlußbuchse für das Kamera-Kabel abnehmen.

Anpassung an andere Fabrikate

den unteren Schiebeschalter entsprechend dem Recorder-Fabrikat einstellen:

- S für Sony
- J für NORDMENDE Videorecorder und ähnliche VHS-Recorder
- P für Panasonic

Fernbedienungs-Umschalter

Den oberen Umschalter einstellen auf:

- 1 für Panasonic
- 2 für NORDMENDE Videorecorder V 300 – V 380 Stereo und ähnliche VHS-Recorder
- 3 für V 150 und andere Compact-Recorder

Stereo/Mono-Umschalter

Den Umschalter einstellen auf:

- S für Stereo-Videorecorder
- M 1 für Mono-Videorecorder
- M 2 für Monoaufnahmen bei Stereo-Videorecordern

This Service Instruction is intended to enable normal repair work. If further repairs are required, please see our nearest agency.

Cleaning the lens

The lens is treated with a surface finishing. To clean use a soft lens brush or a damp lint-free cloth. Fingerprints may negatively effect the lens finishing. The lens is best cleaned with a suitable lens cleaning fluid or paper. Do NOT use chemically treated spectacle cloths.

Cabinet care

Use only a soft damp cloth for cleaning. In special instances of extreme fouling, the cloth may be soaked in mild soapy water. Do NOT use solvents or cleaning agents.

Adjusting the camera to operate with various recorders

The camera can be adapted for operation with various recorder models:

- Remove the cover above the camera cable connection socket.

Converting to match other makes

Set the lower slide switch to correspond to make of the recorder being used:

- S for Sony
- J for NORDMENDE etc.
- P for Panasonic

Remote control conversion switch

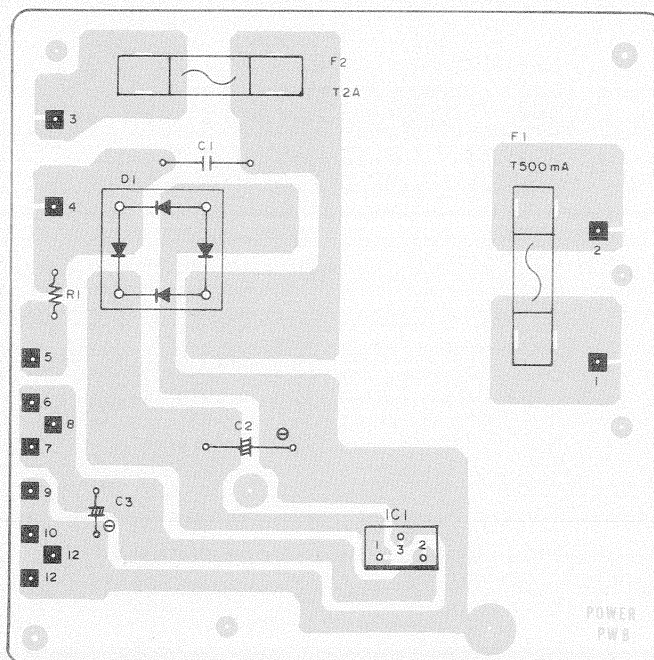
Set the upper selector switch as follows:

- 1 for Panasonic
- 2 for NORDMENDE V 300, V 380 STEREO and similar models
- 3 for NORDMENDE V 150 and other compact recorders

Stereo/mono selector switch

Set the selector switch as follows:

- S for stereo video recorders
- M 1 for mono video recorders
- M 2 for recording mono with stereo recorders

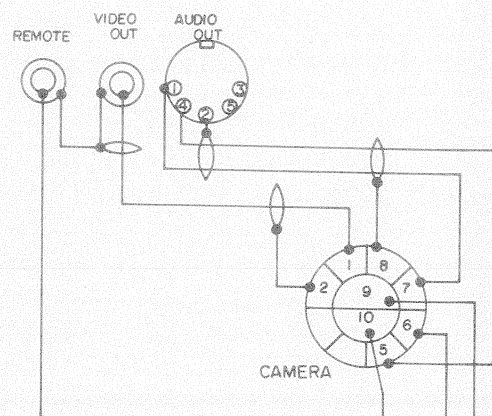


Leiterplatte Camera Netzteil – P.C.B. Camera-Power supply

U_{in} = 110, 120, 220, 240 V ~ 50/60 Hz

P = max. 30 Watt

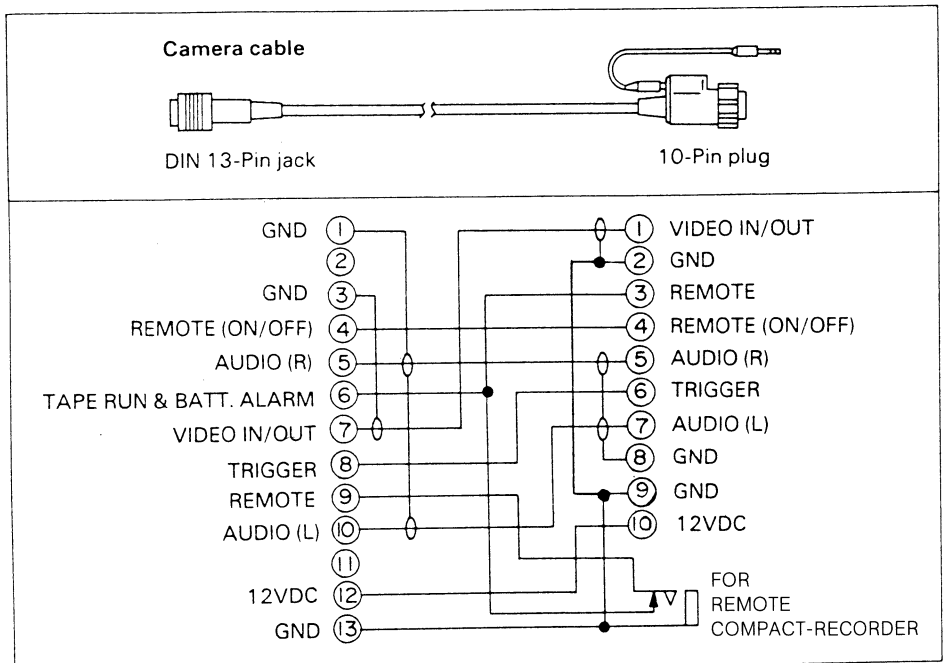
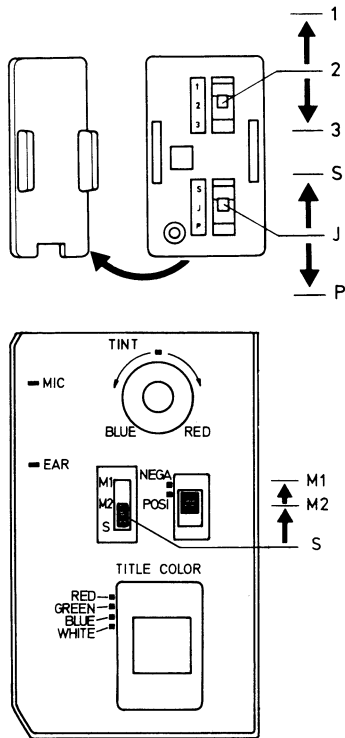
U_{out} = 12 V =; 1,1 A



Camera Netzgerät N 202 –
Camera-Power supply N 202

NORDMENDE

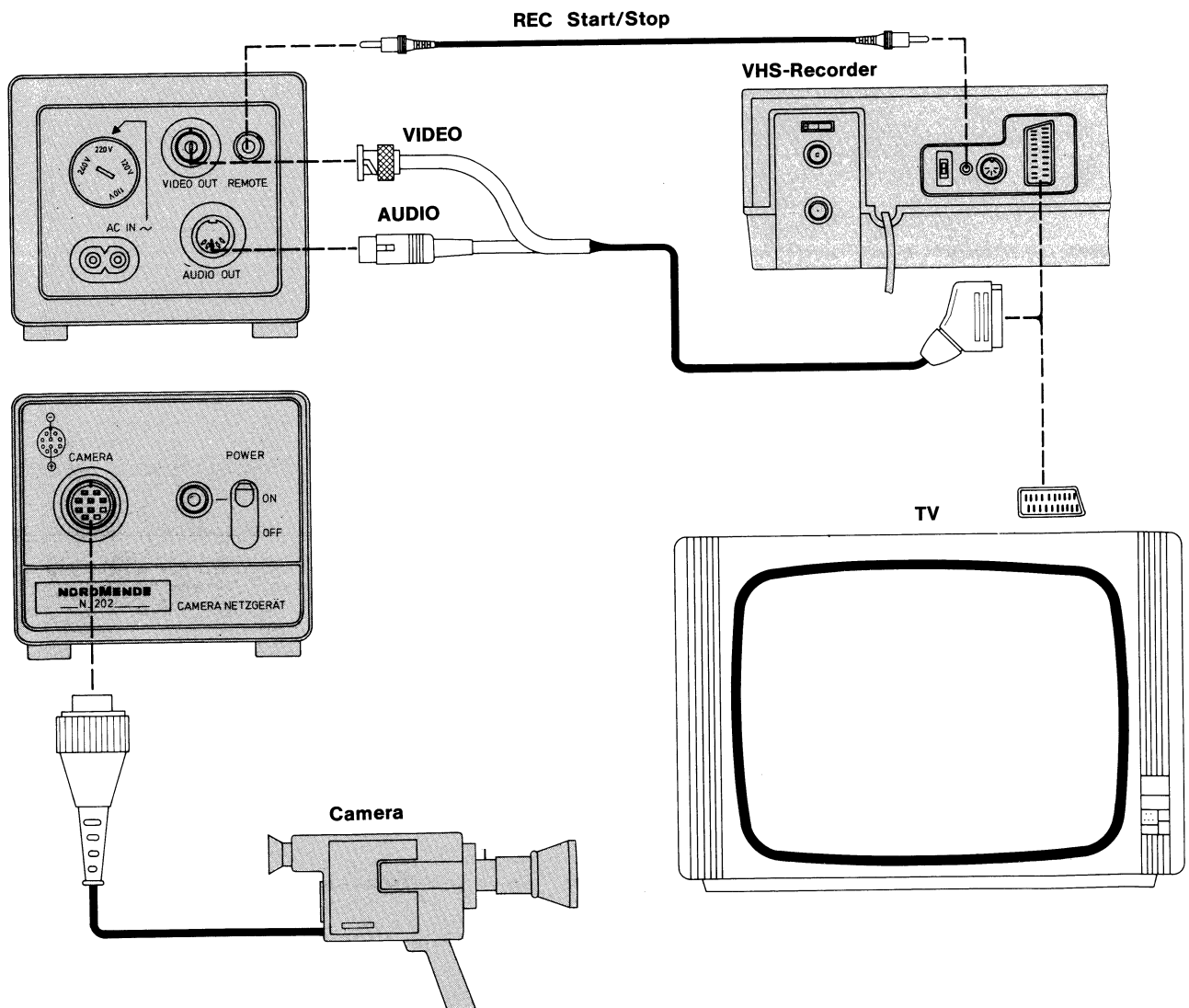
983.368 H

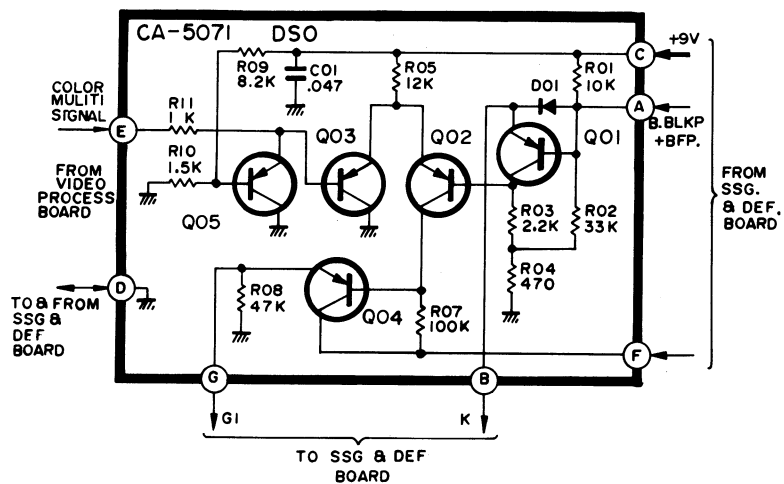


Kamerakabel – Camera cable

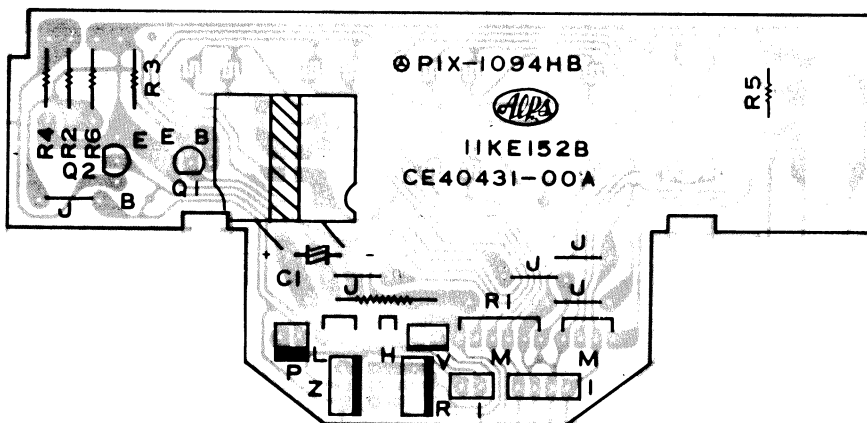
Lageplan der Umschalter zur Anpassung an verschiedene Recorder.

Position plan for switch-over for adaption with various re-corder models.

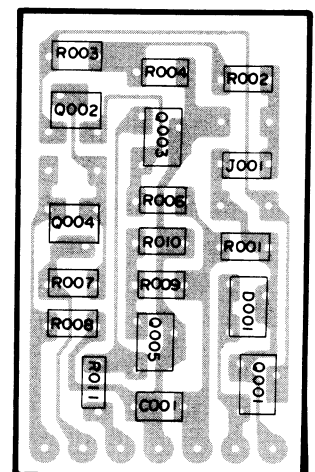




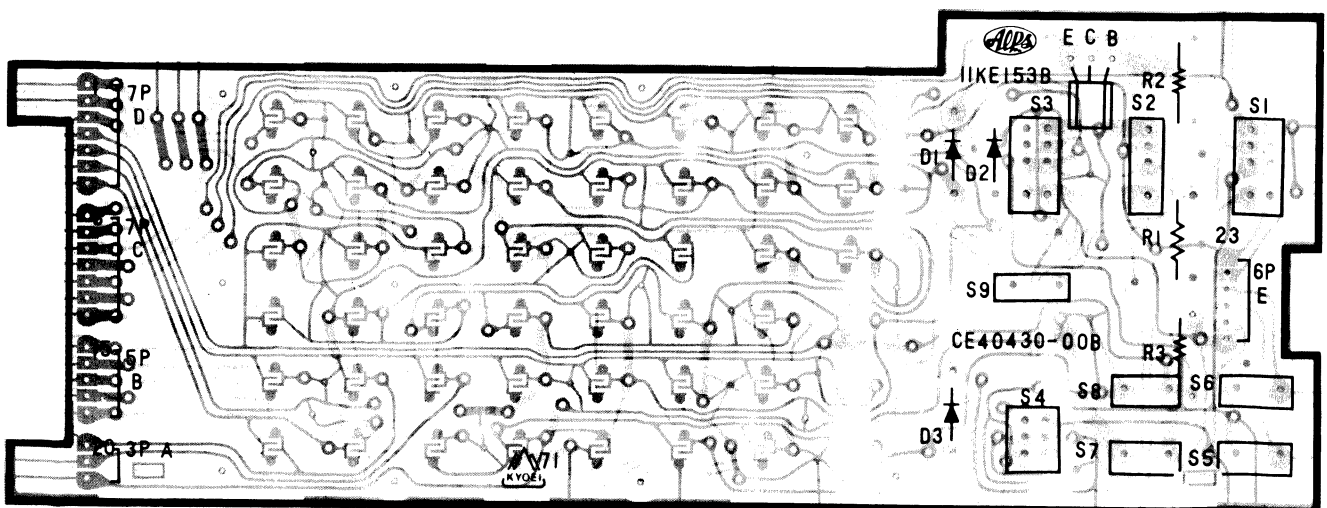
DSO - DSO



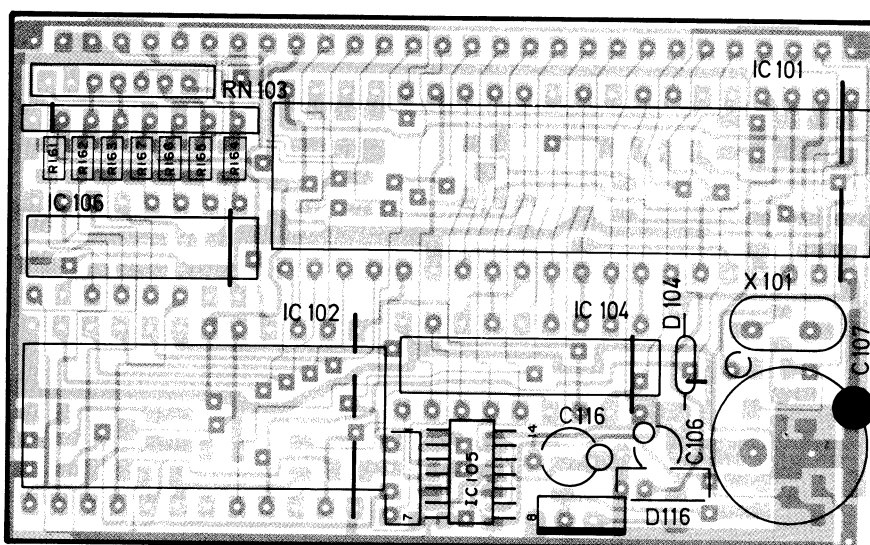
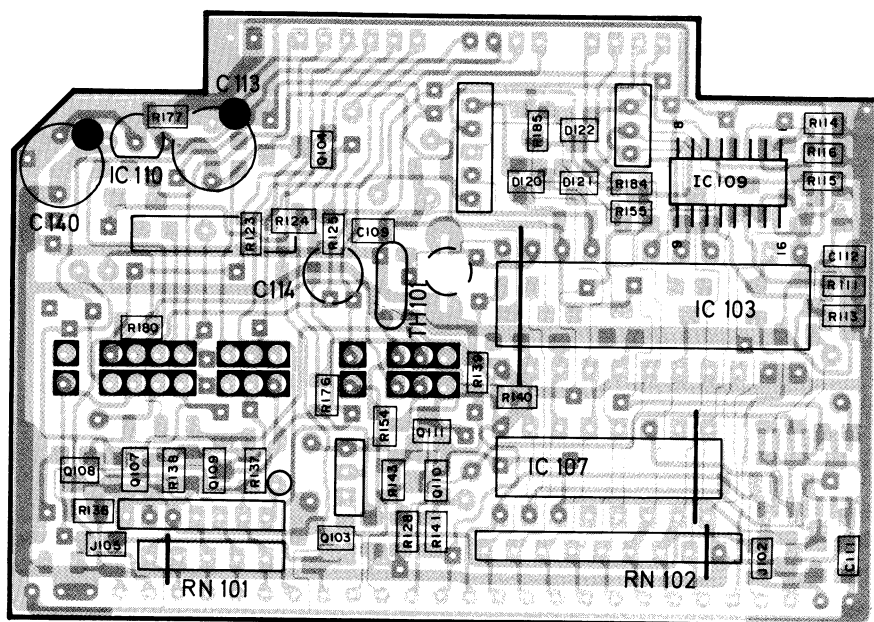
Leiterplatte Handgriff - P.C.B. Grip key board



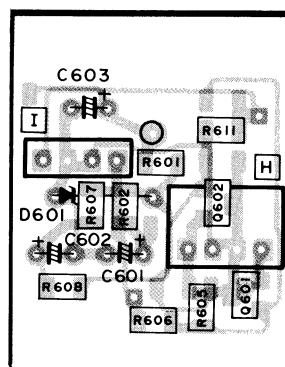
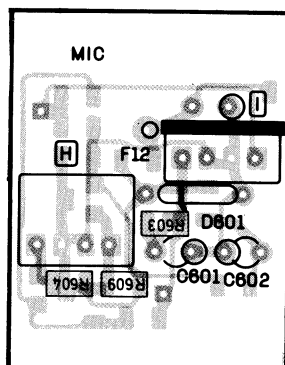
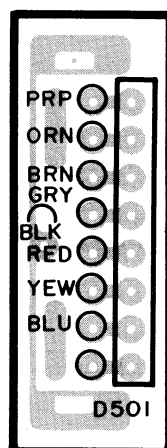
Leiterplatte DSO - P.C.B. DSO



Leiterplatte Tastatur - P.C.B. key board

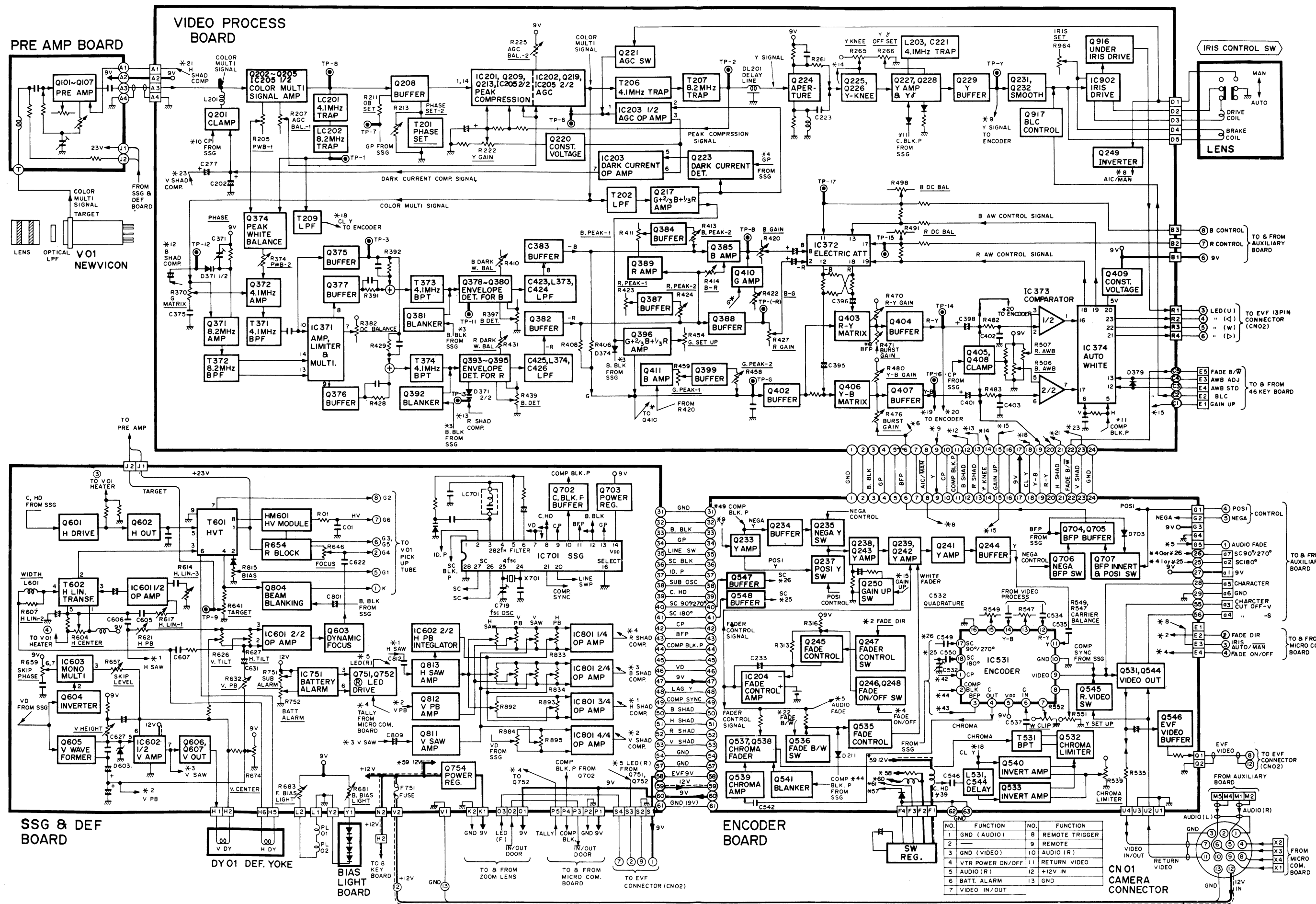


Leiterplatte Microcomputer – P.C.B. Microcomputer

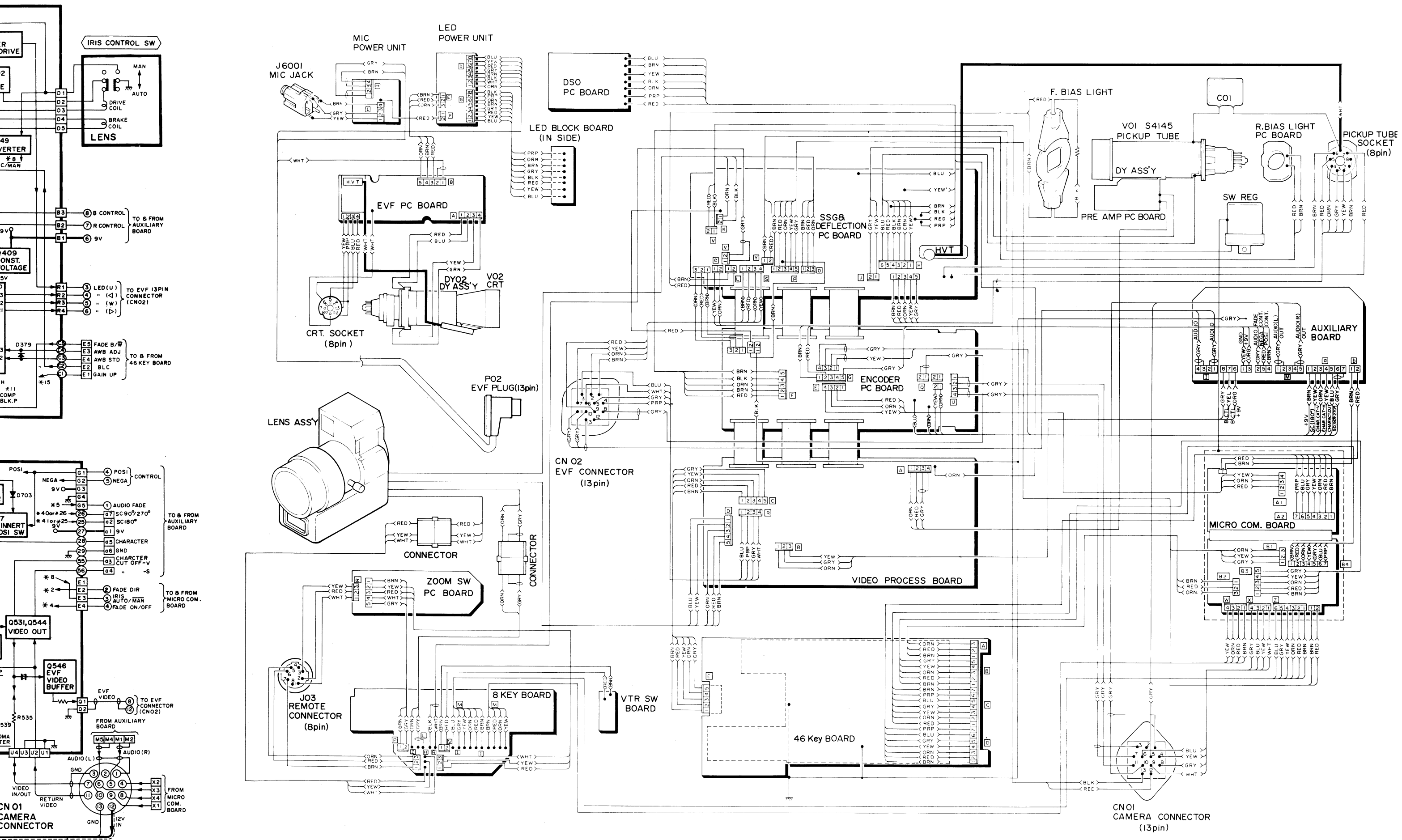


Leiterplatte LED – P.C.B. LED

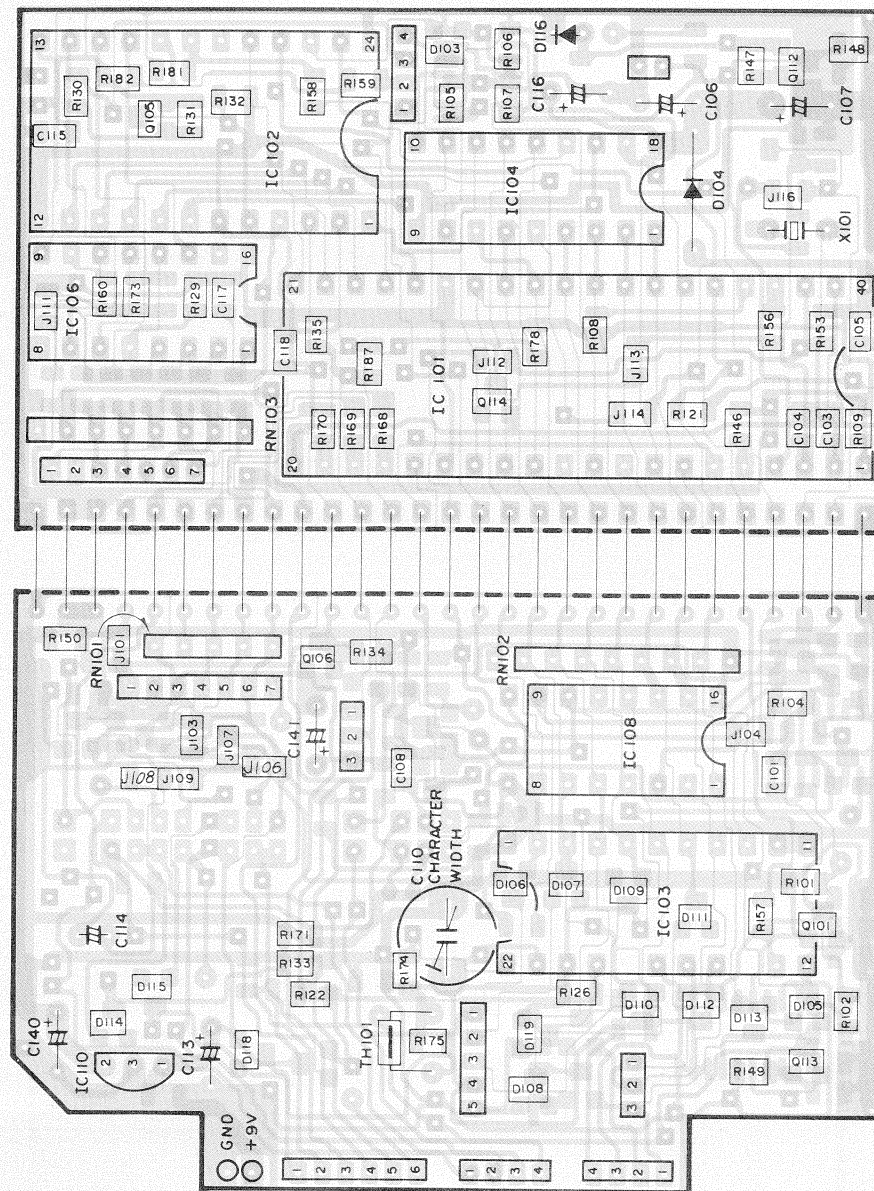
Leiterplatte Mikrofonvorverstärker
P.C.B. Mic power unit



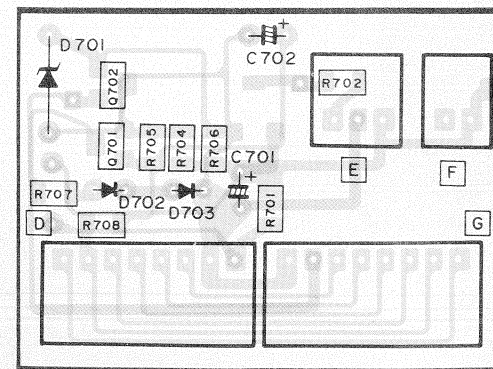
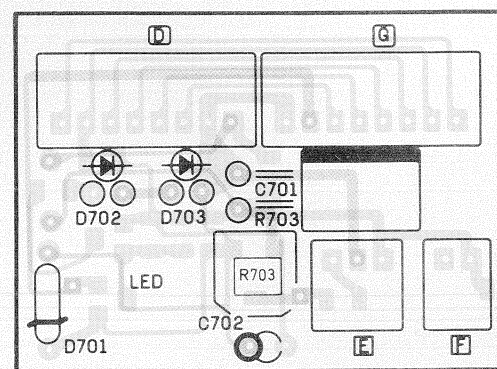
Blockschaltbild Camera – Block diagram camera



Gesamt-Verdrahtungs-Plan – Overall wiring diagram

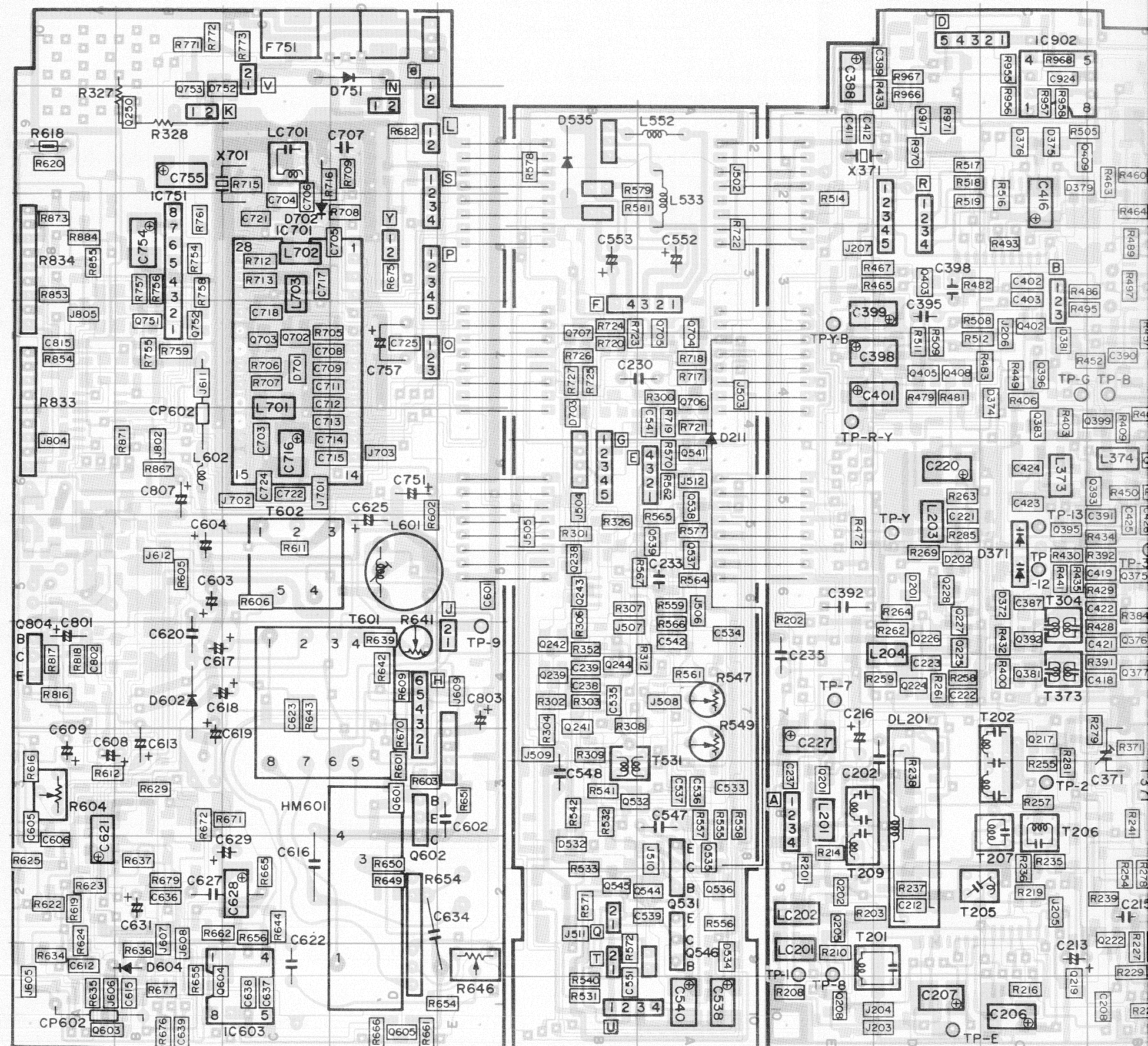


Leiterplatte Microcomputer – P.C.B. Microcomputer



Leiterplatte LED-Ansteuerung – P.C.B. LED Power

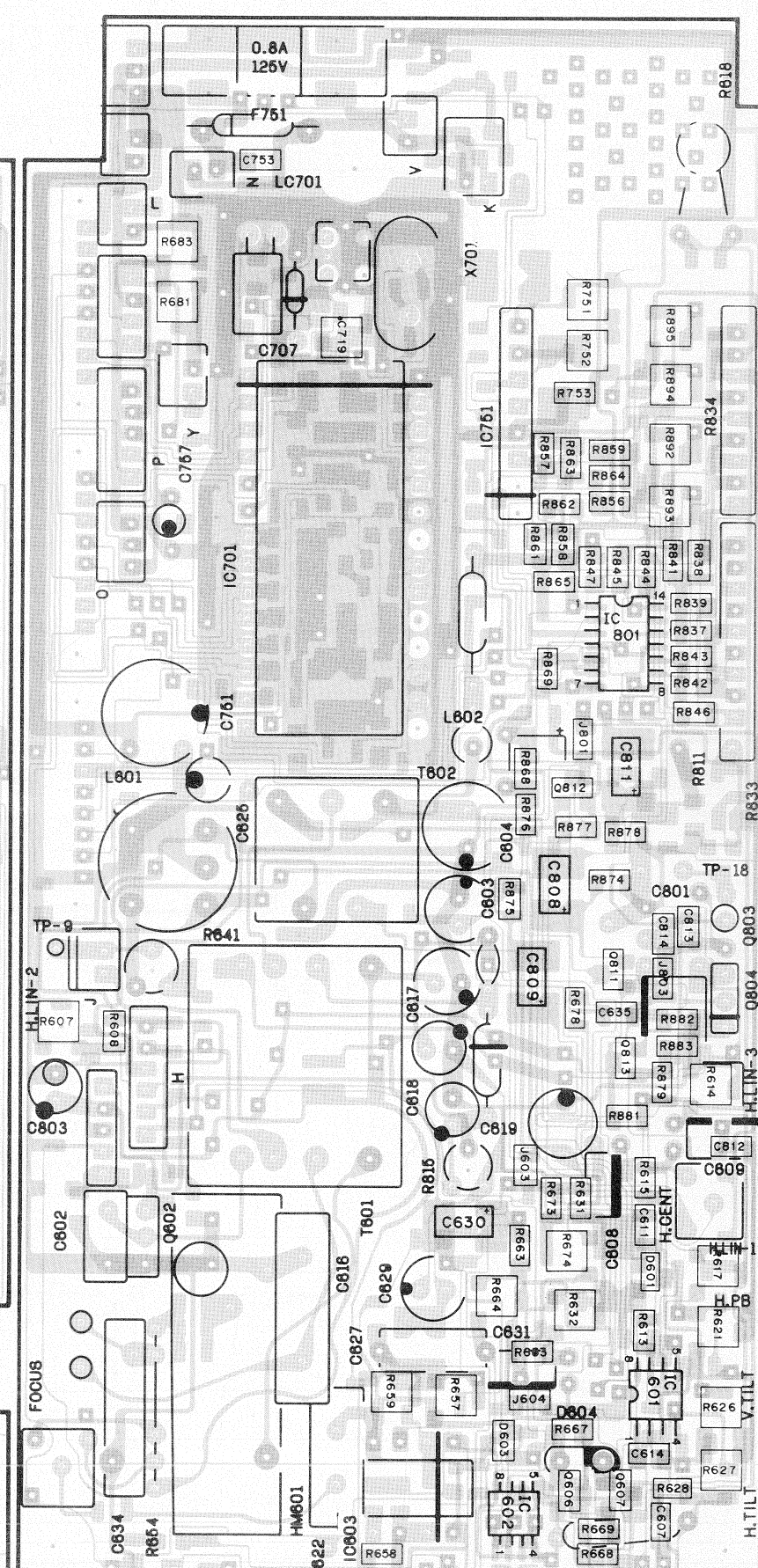
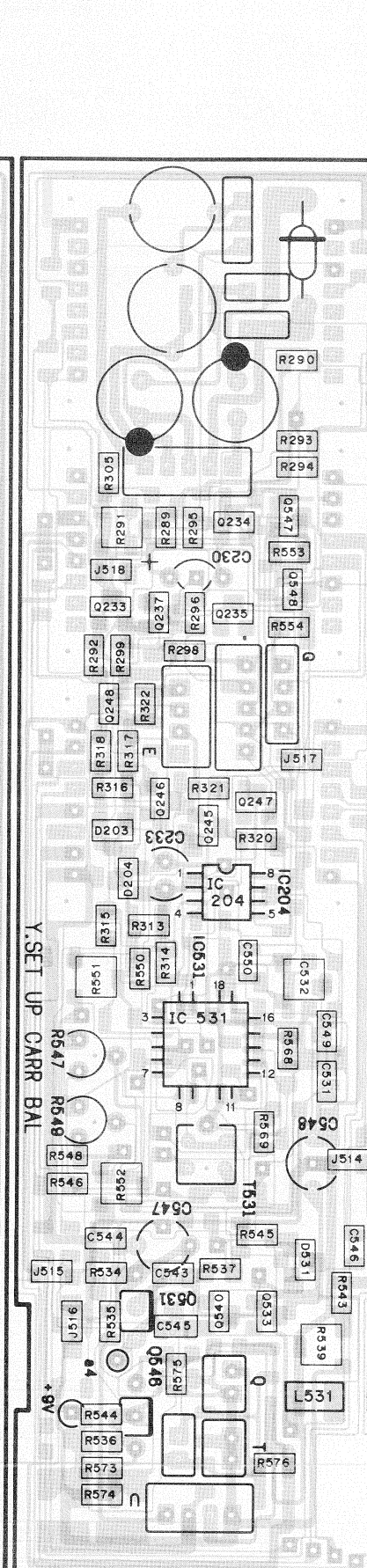
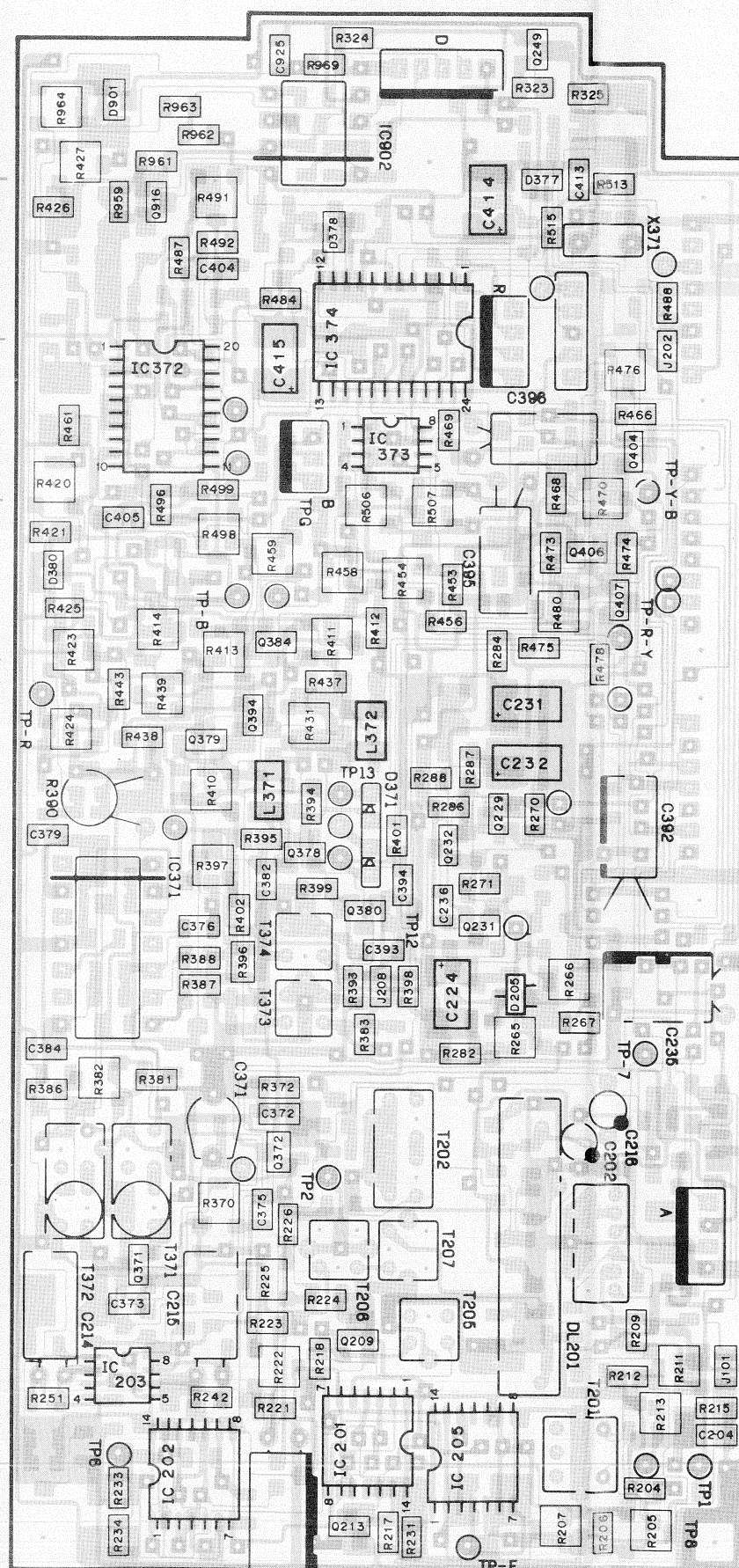
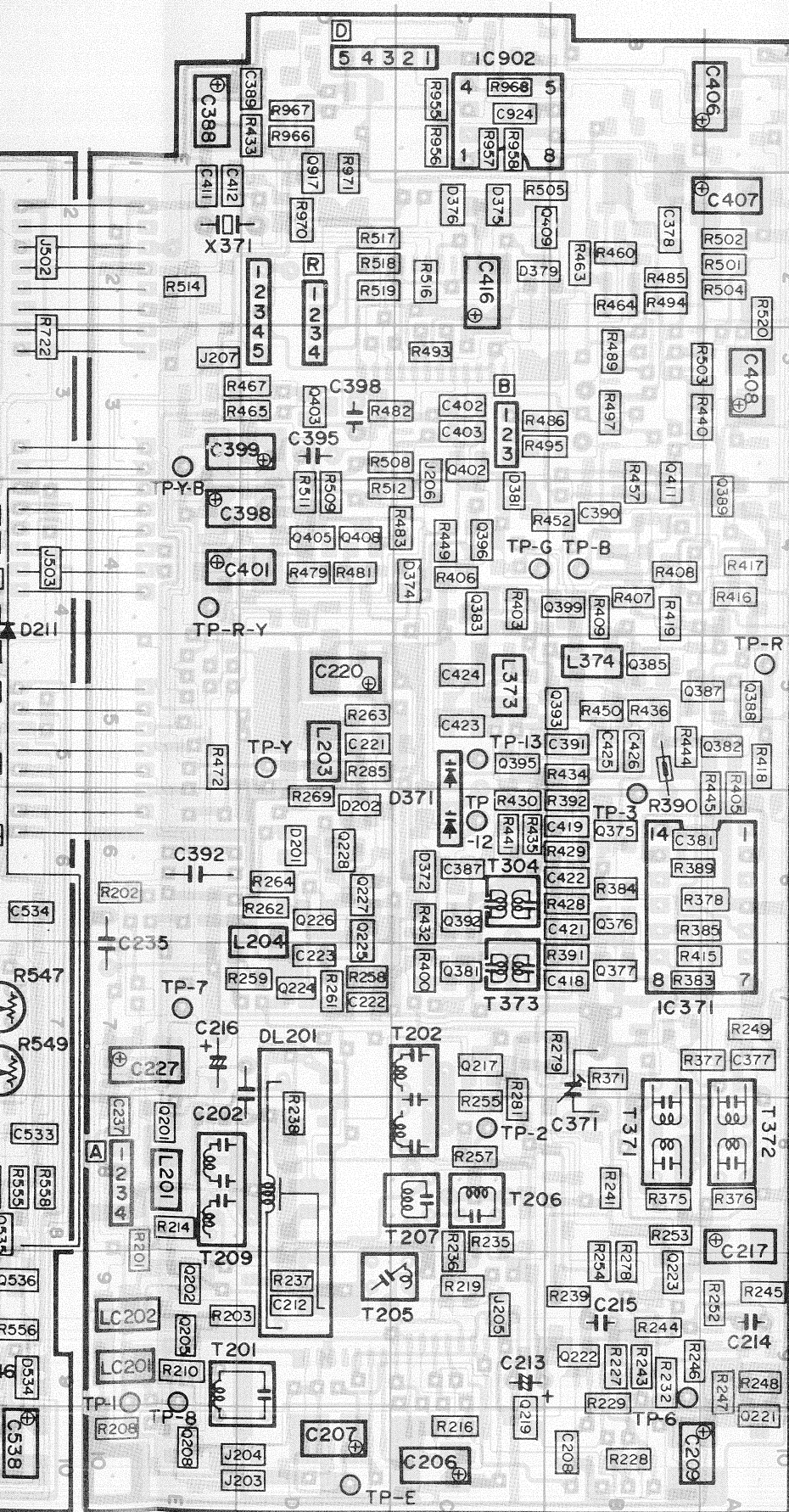
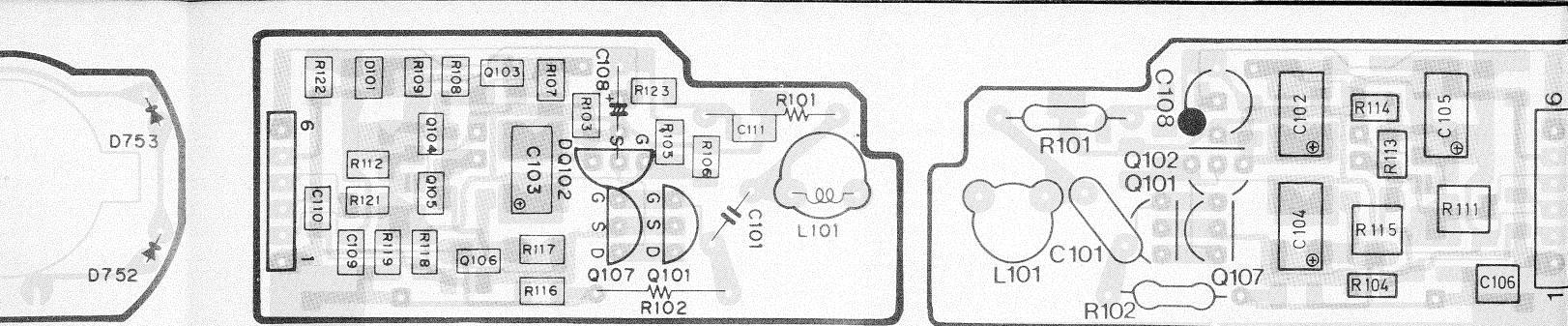
Leiterplatte Camera – P.C.B. Camera

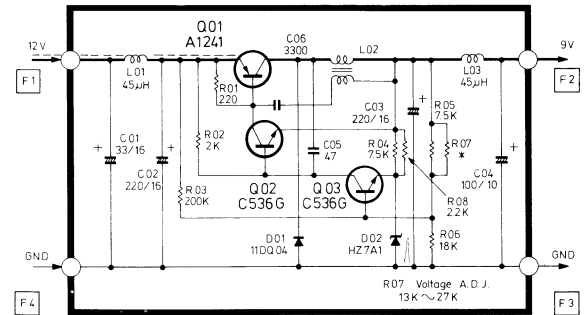
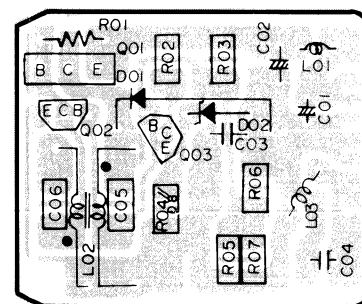
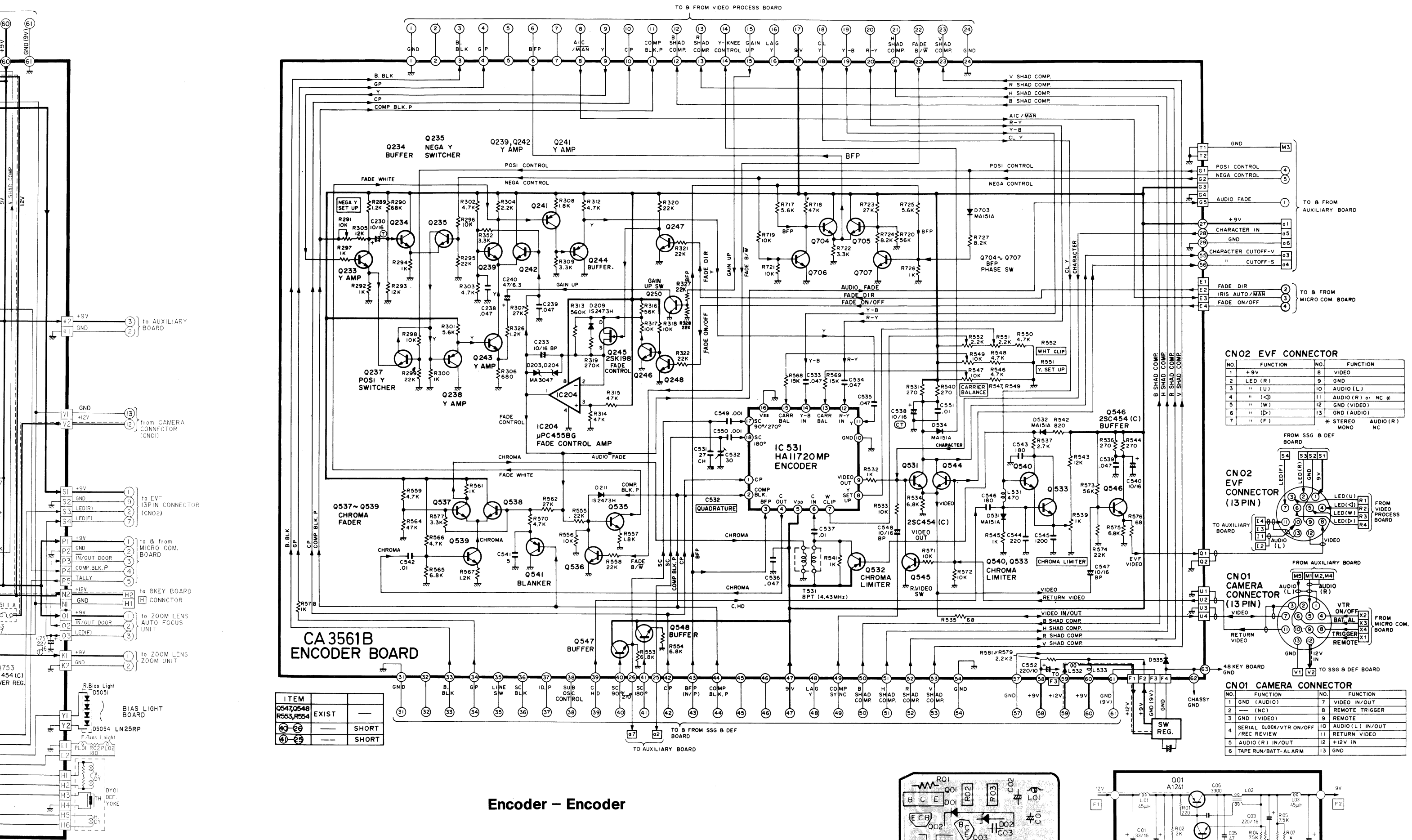


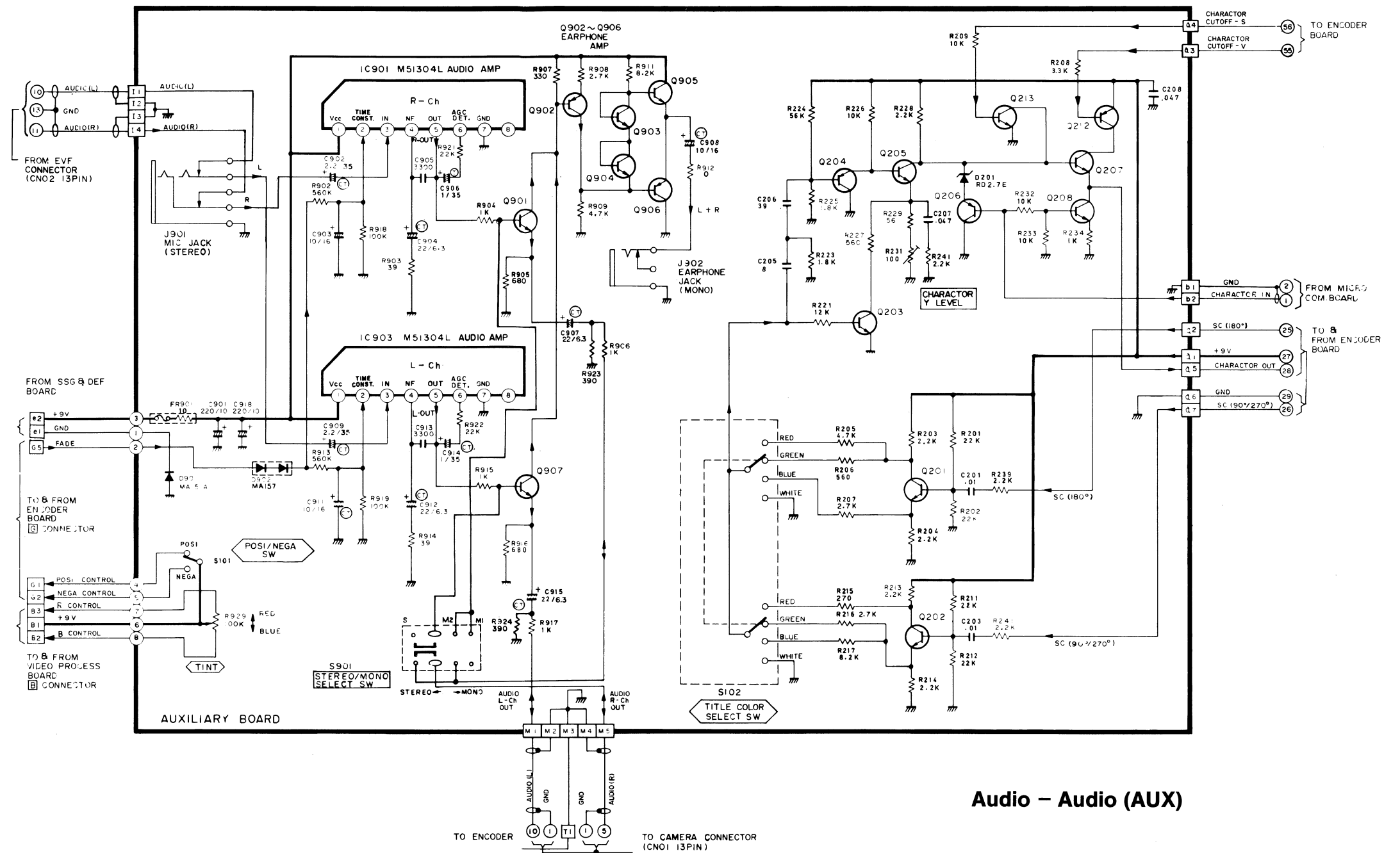
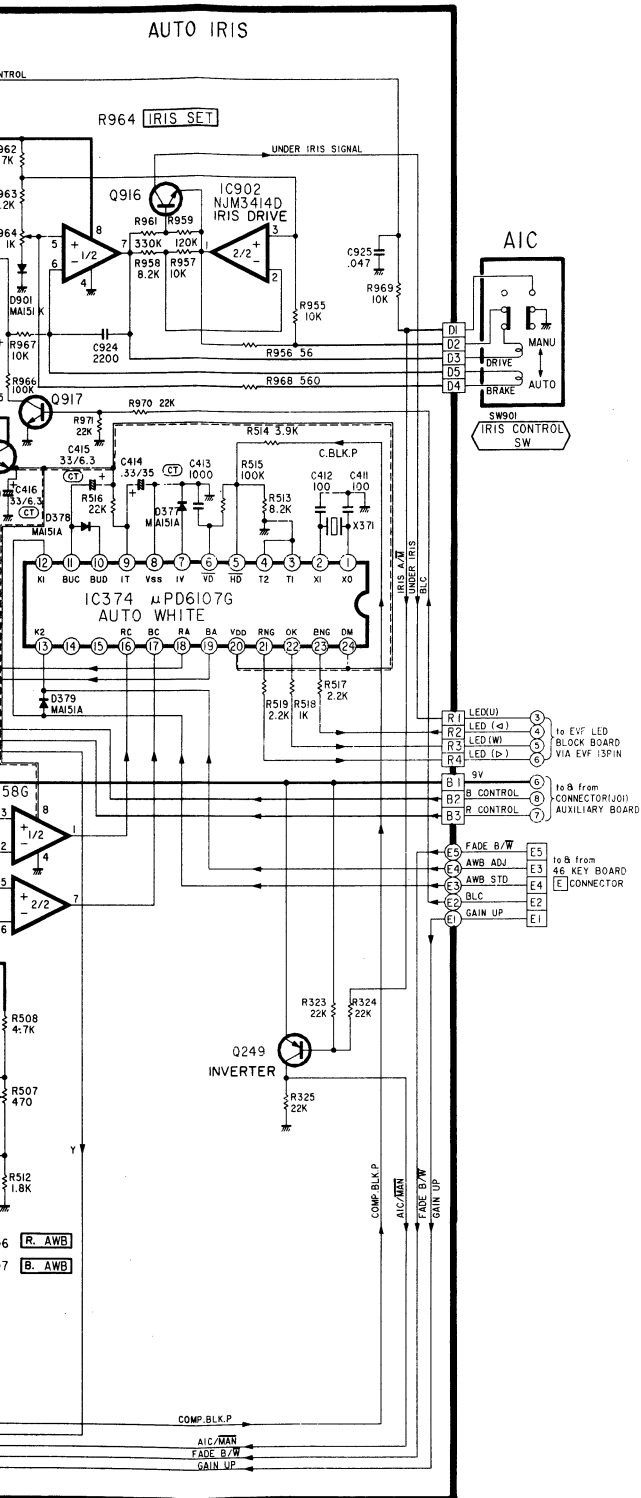
Ablenplatte · Deflection Board

Encoder

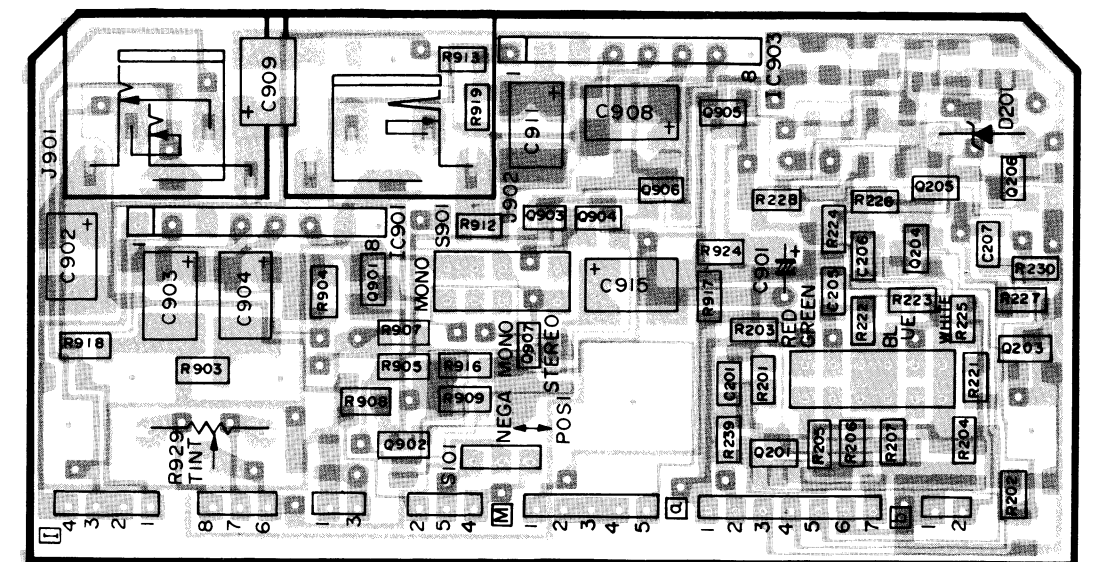
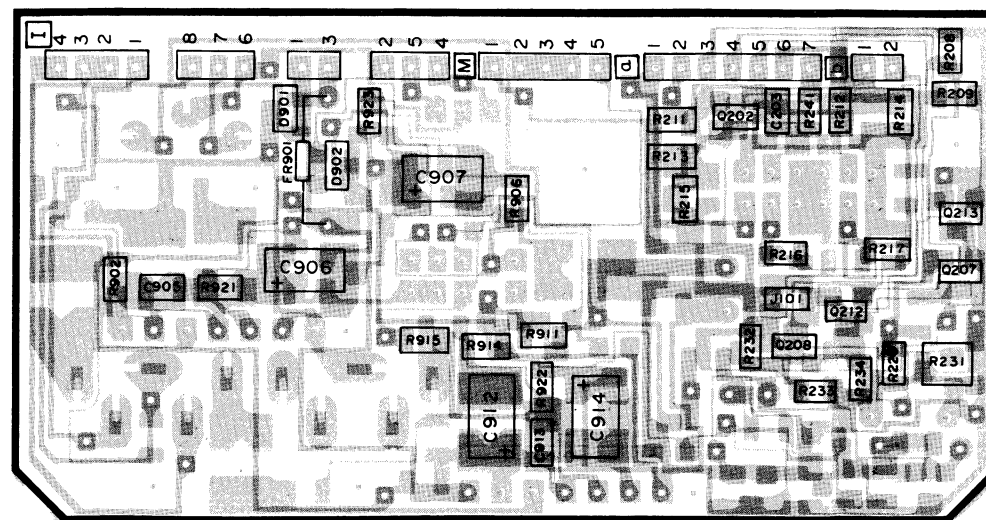
Videoplatte · Video Board







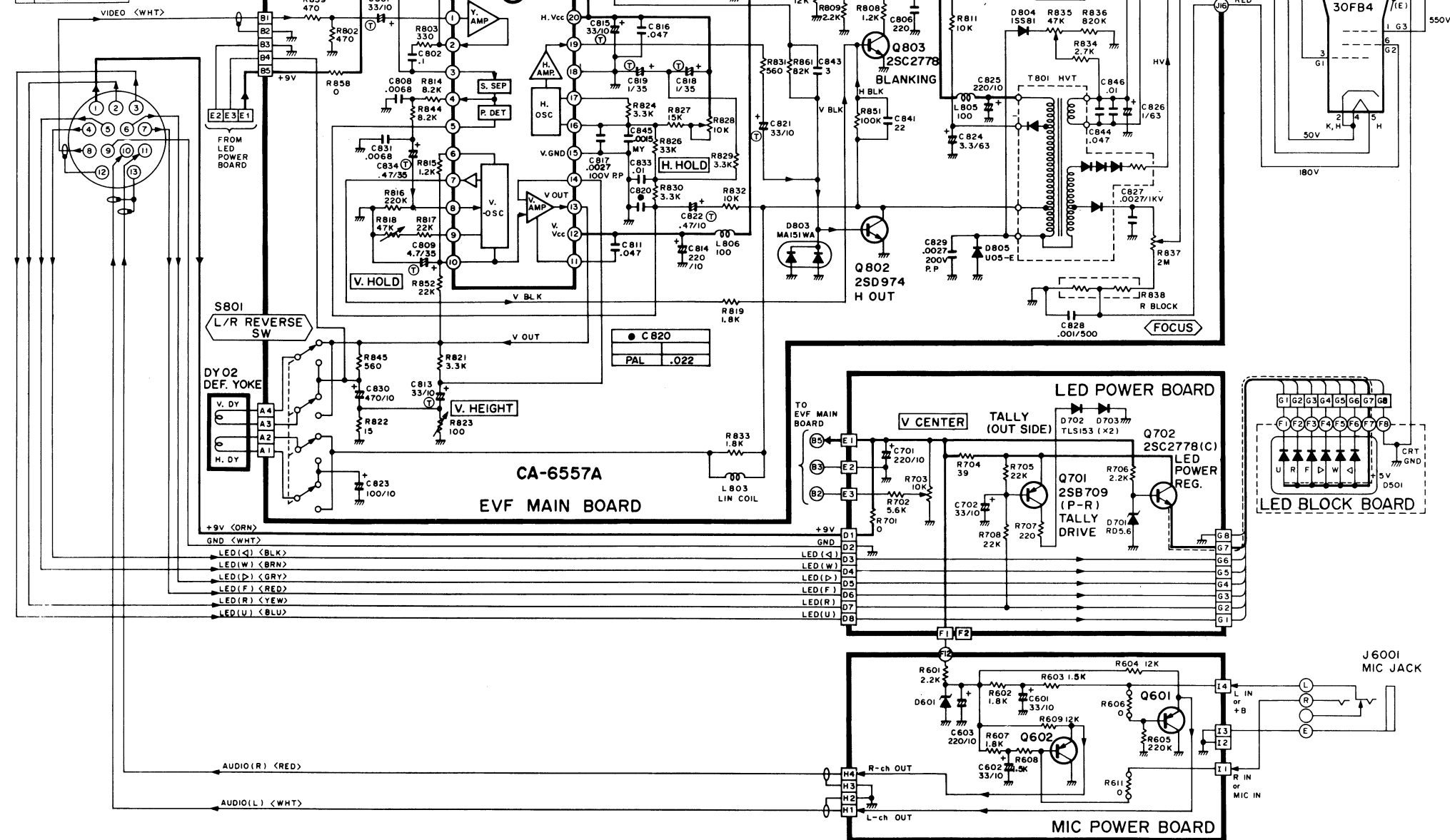
Audio - Audio (AUX)



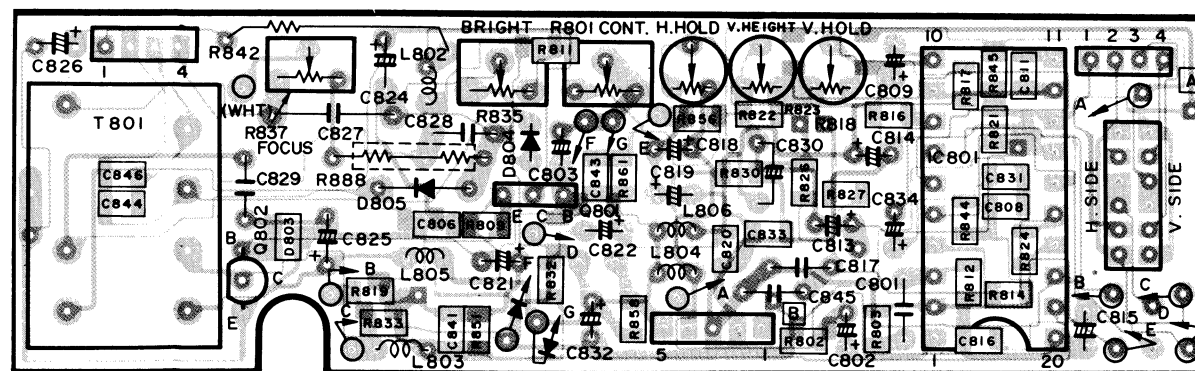
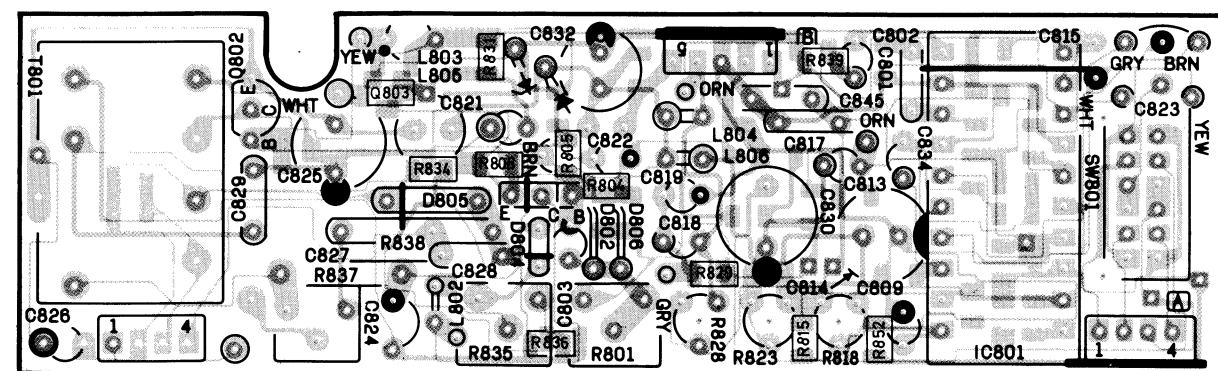
Leiterplatte Audio (AUX) - P.C.B. Audio (AUX)

P02 EVF CONNECTOR (13 PIN)

NO.	FUNCTION	NO.	FUNCTION
1	+9V	8	VIDEO
2	LED (R)	9	GND
3	LED (U)	10	AUDIO (L)
4	LED (G)	11	AUDIO (R)
5	LED (W)	12	GND (VIDEO)
6	LED (D)	13	GND (AUDIO)
7	LED (F)		

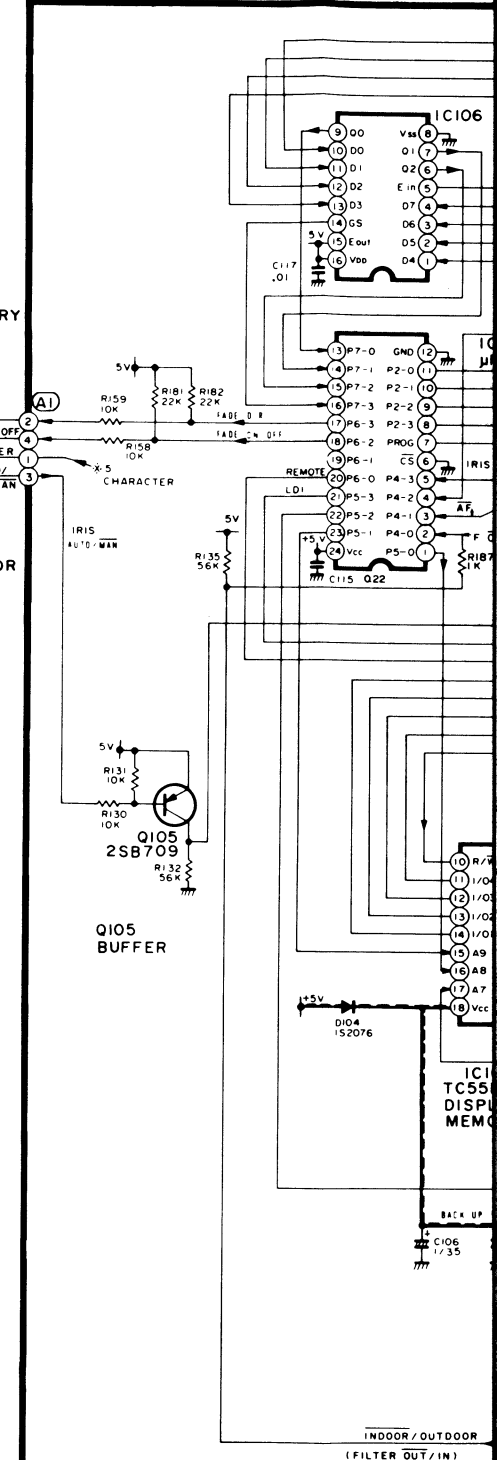


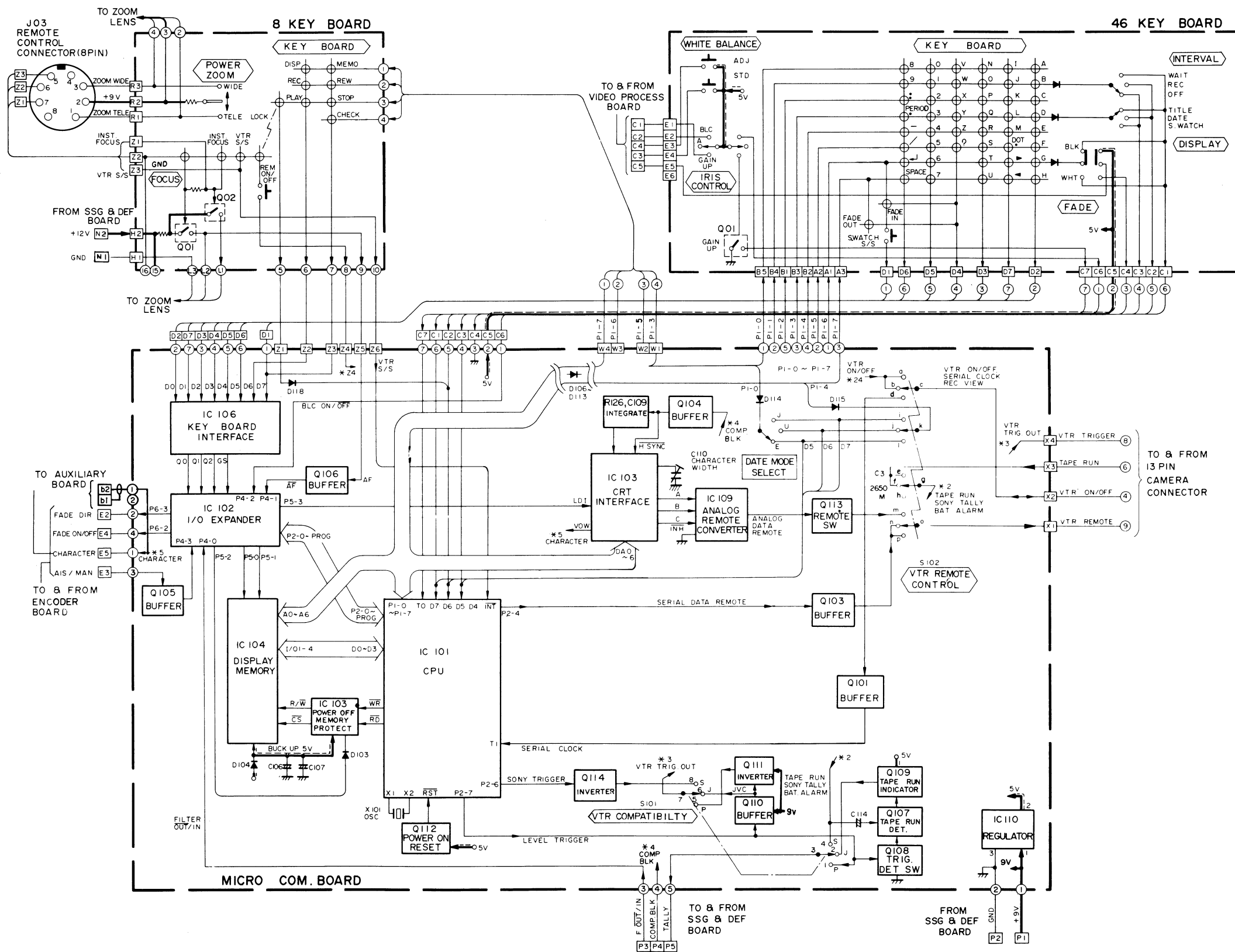
Monitor - Monitor (EVF)



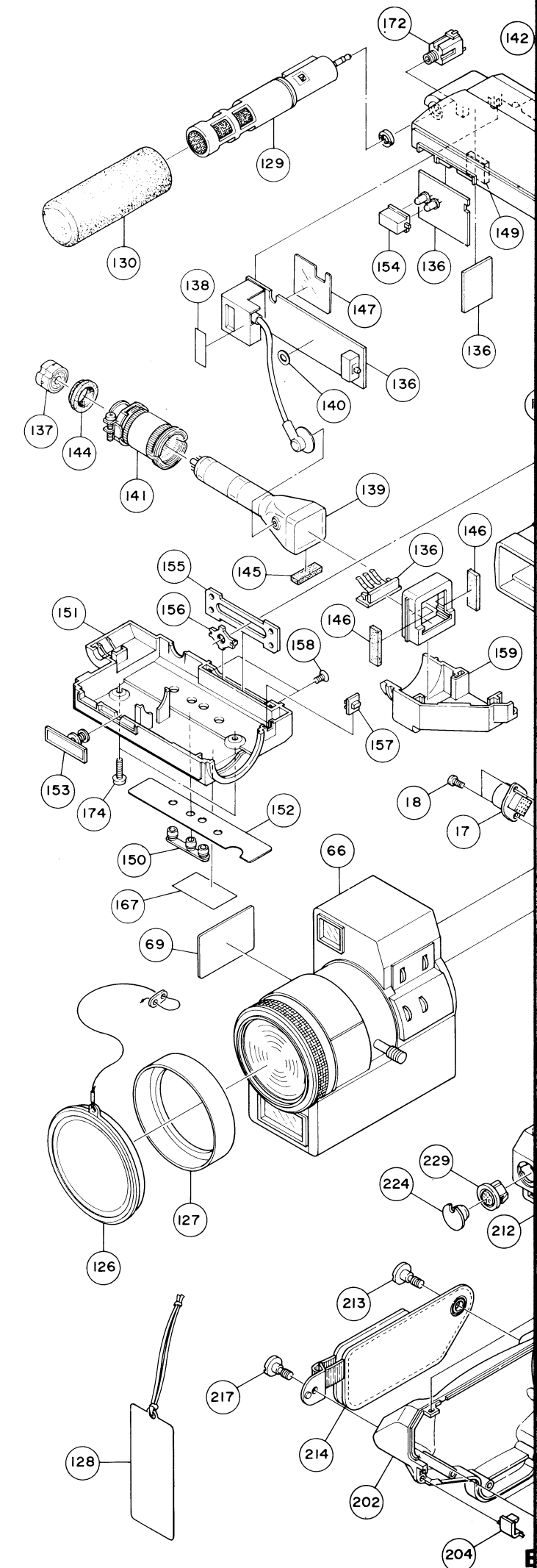
Leiterplatte Monitor - P.C.B. Monitor

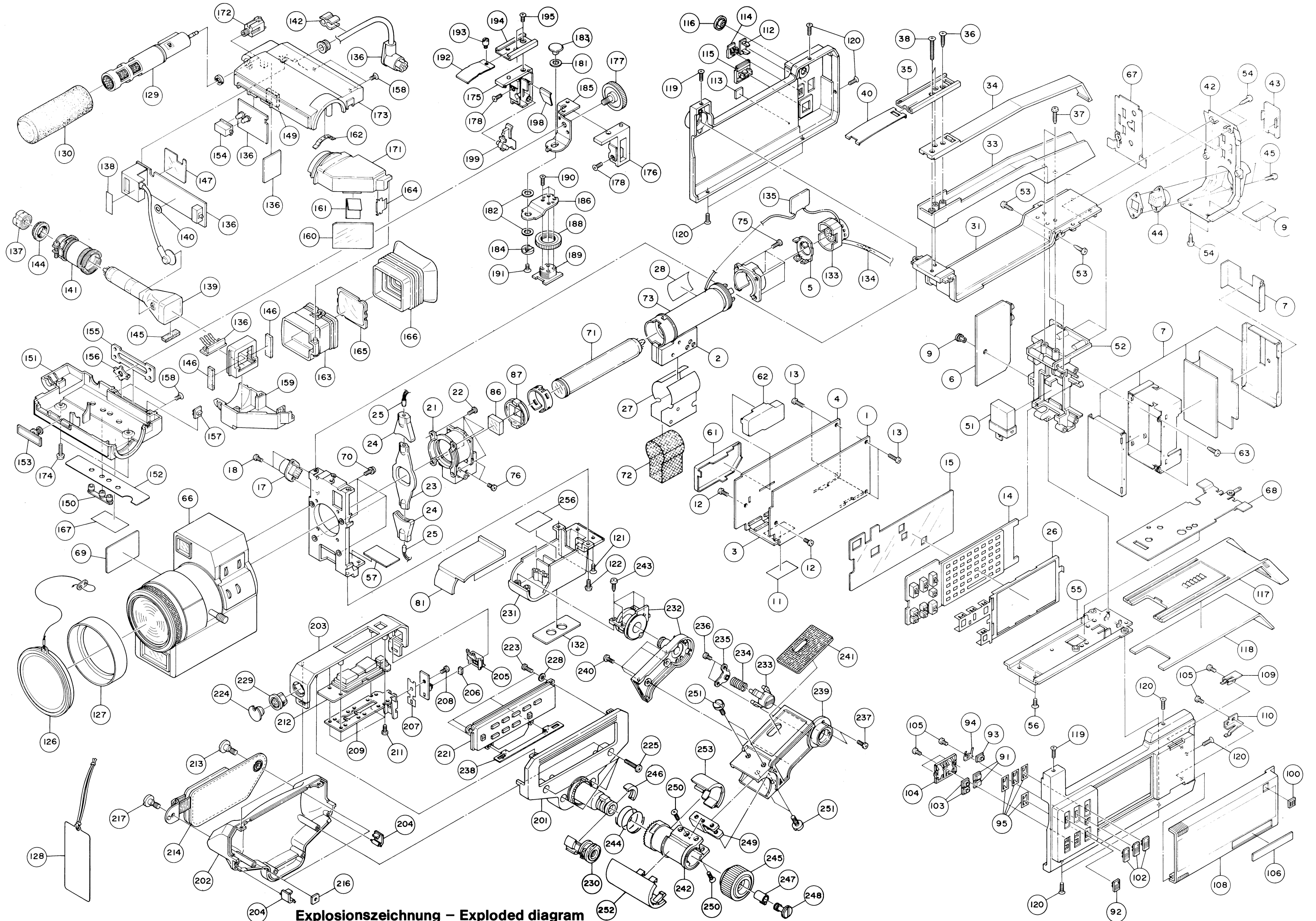
CA-8559A
MICRO COM. BOARD





Blockschaltbild Micro Computer – Block Diagram Microcomputer





Explosionszeichnung – Exploded diagram

TECHNISCHER KUNDENDIENST

Service-Information

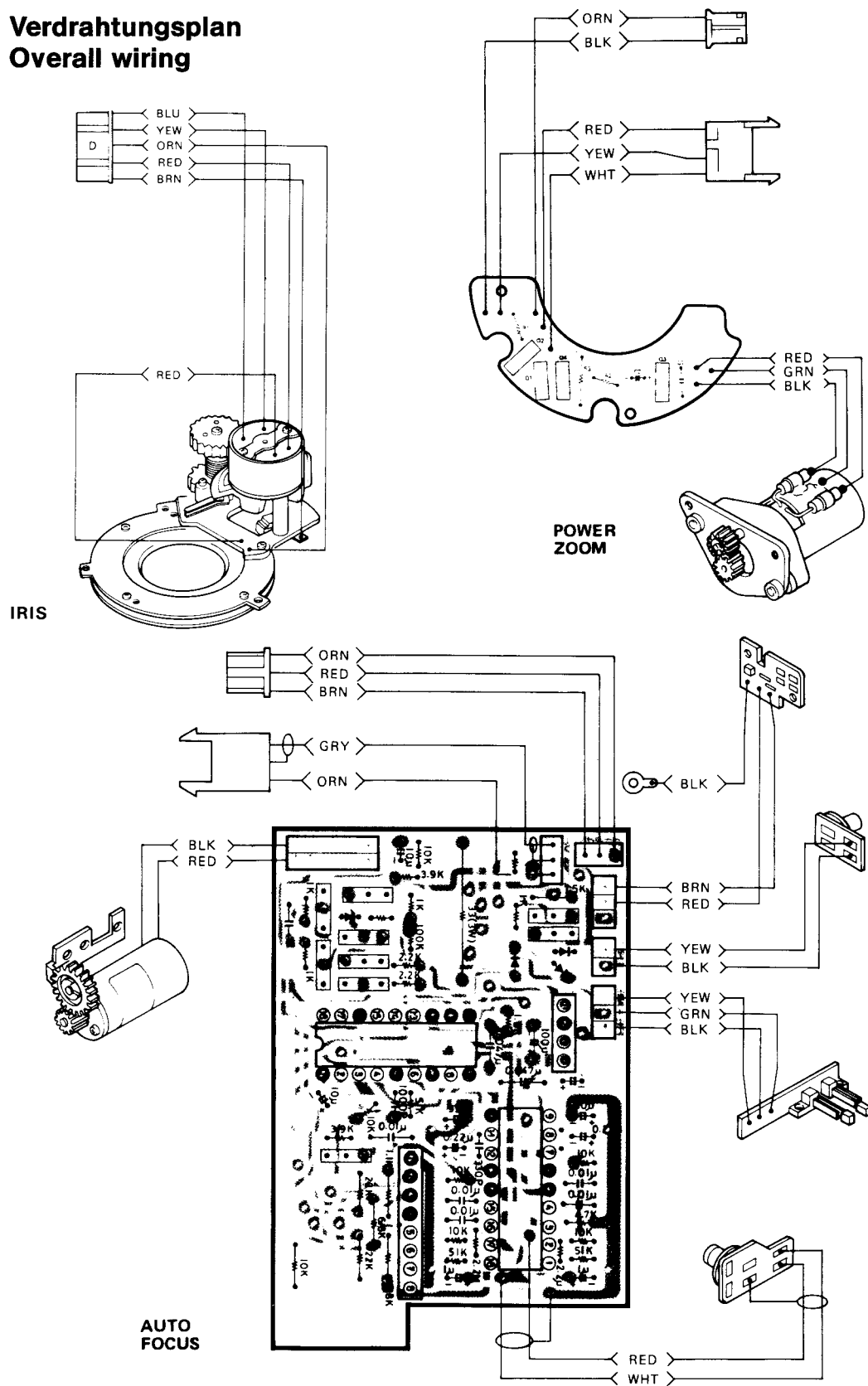


Ergänzung zur
Supplements to

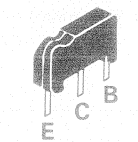
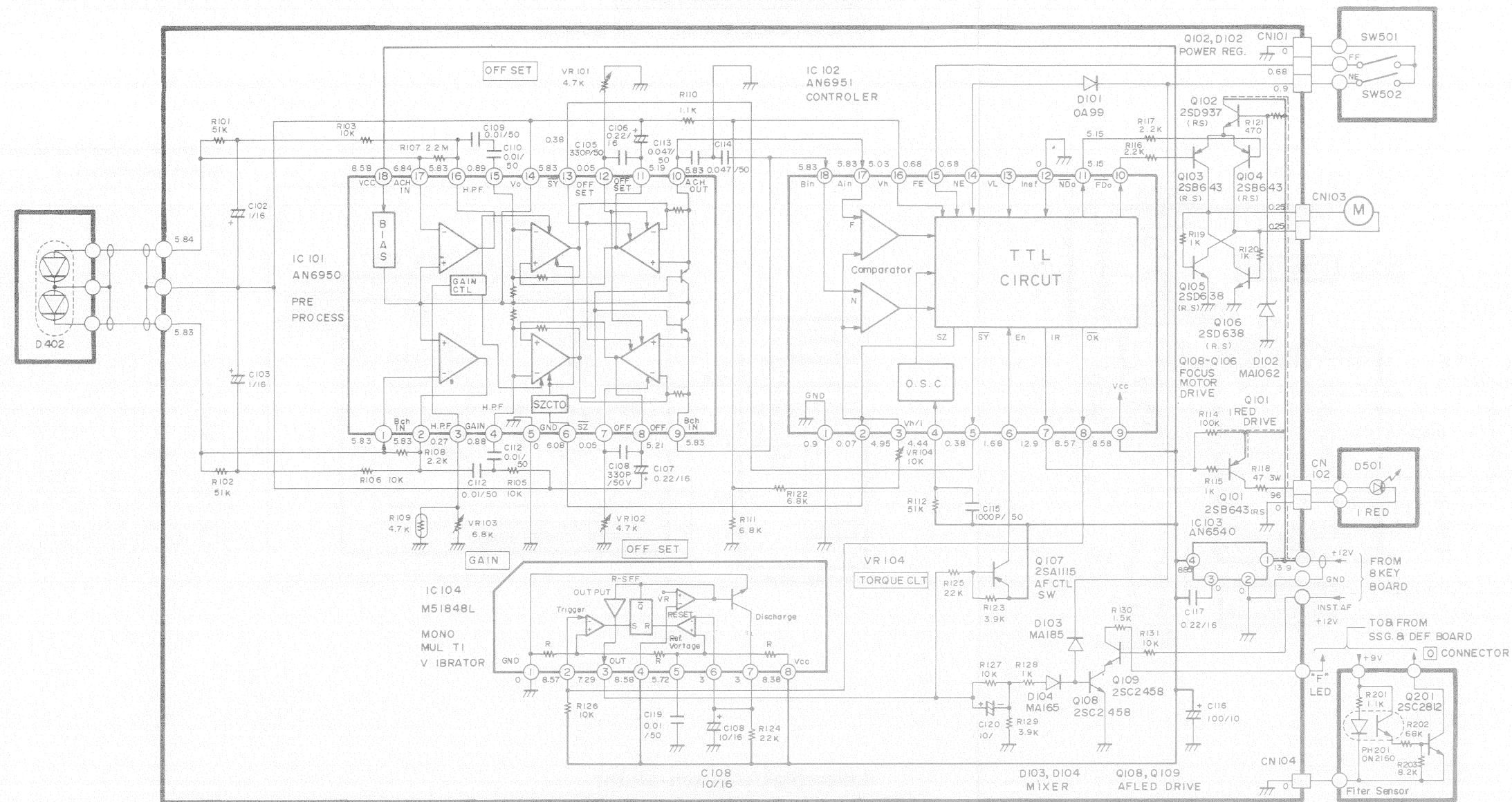
Video Camera C 550 984.352 H
Auto-Focus

NORDMENDE

Verdrahtungsplan **Overall wiring**



Auto-Focus Schaltbild Auto focus Schematic diagram



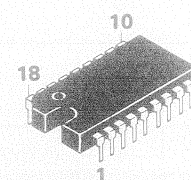
2SB641(R)
2SB643(R)
2SD636(R)
2SD638(R)



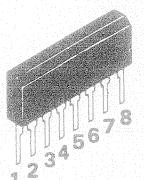
2SA1115(F)
2SC2458(GR)



AN6540



AN6950
AN6951



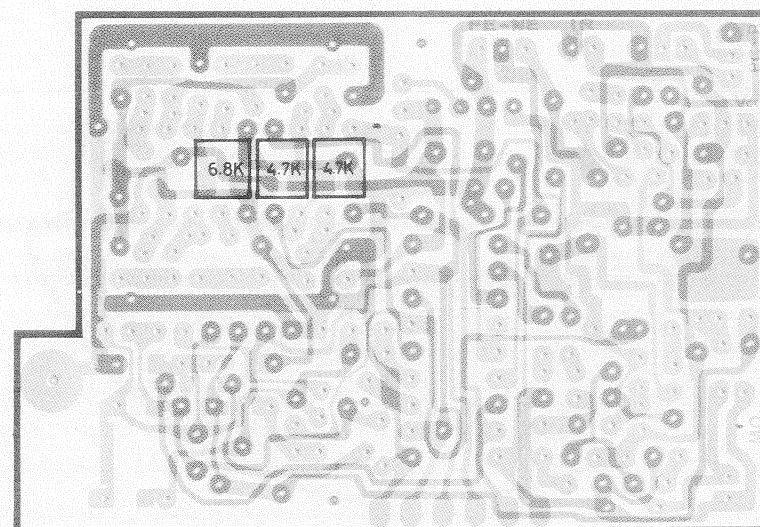
M51848L

Die angegebenen Spannungen sind unter folgenden Bedingungen gemessen:

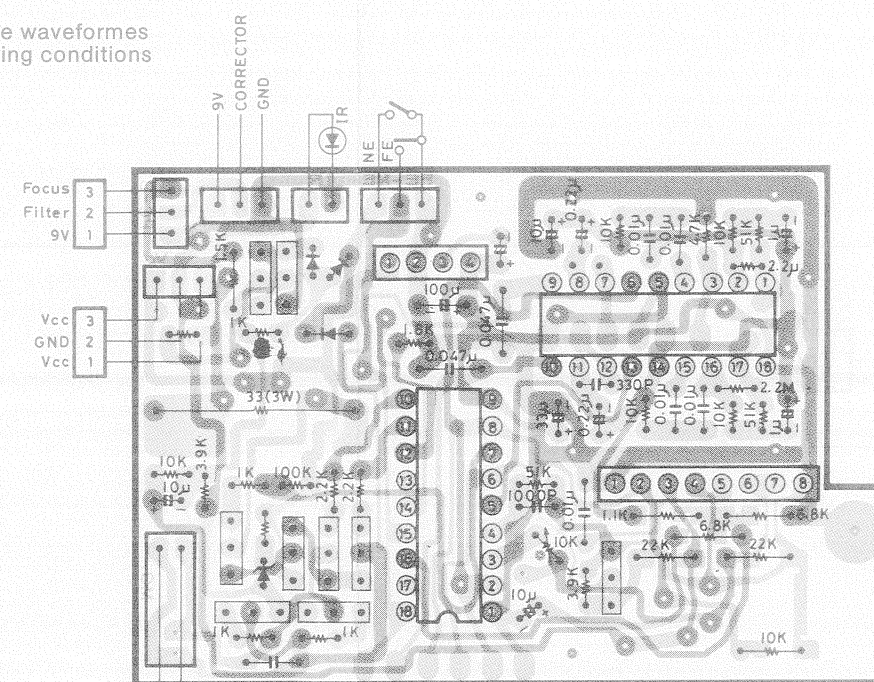
1. Auto Focus-Schalter eingeschaltet (ON)
2. Filter-Schalter in Stellung

The values of voltages and the waveforms are mesured under the following conditions

1. AF switch: ON
2. Filter switch:



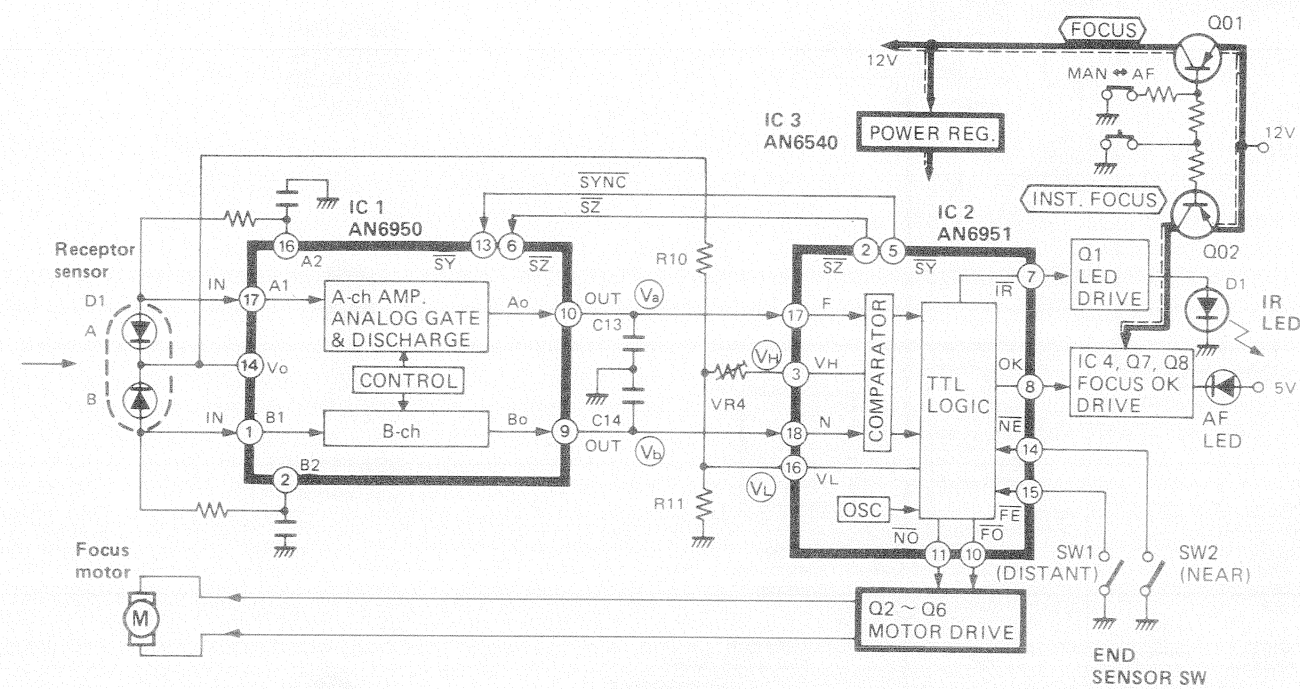
Lötseite - Soldered side



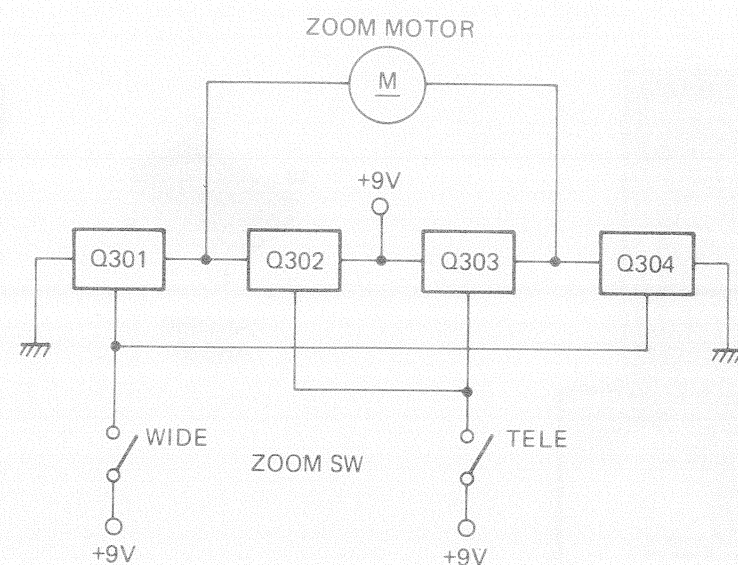
Bestückungsseite - Component side

Blockschaltbilder Block diagrams

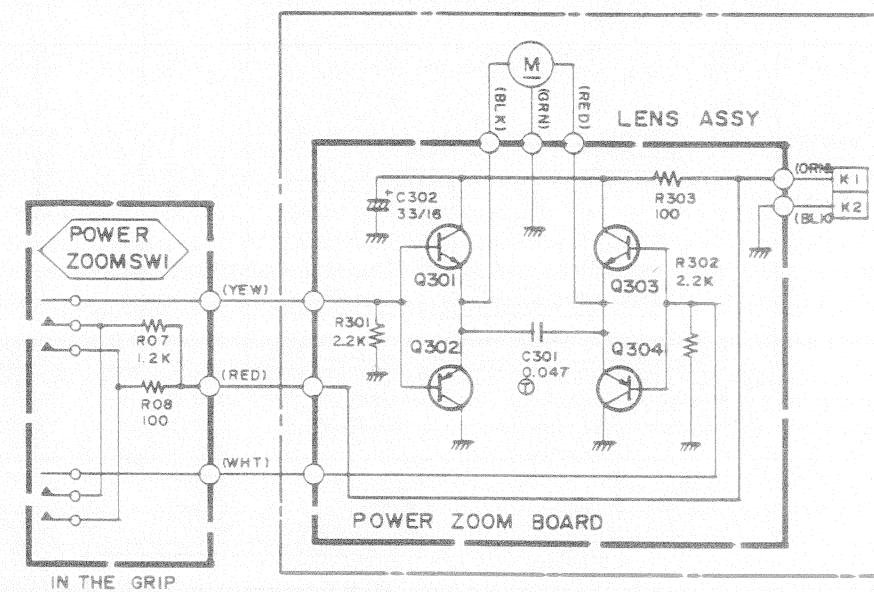
Auto focus



Zoom motor



Schaltbild Zoom-Motor Circuit diagram (Power zoom)



Values of voltage due to operation of zoom switch.

		E	C	B
Zoom	Q301	0	9.0	0.2
Switch	Q302	0	0	0
"OFF"	Q303	0.1	9	0
	Q304	0	0	0.06
Zoom	Q301	0.07	8.25	0.79
Switch TELE	Q302	0.08	0	0.8
Low speed	Q303	5.21	8.27	5.66
"ON"	Q304	5.65	0.06	5.00
Zoom	Q301	0.10	8.00	0.83
Switch TELE	Q302	0.1	0	0.83
High speed	Q303	0.01	8.00	8.42
"ON"	Q304	5.76	0.09	7.44
Zoom	Q301	5.60	8.15	5.00
Switch WIDE	Q302	5.7	0	4.95
Low speed	Q303	0.80	8.12	0.89
"ON"	Q304	0.08	0	0.80
Zoom	Q301	8.47	7.40	7.73
Switch WIDE	Q302	8.4	0	7.35
High speed	Q303	0.84	7.86	0.12
"ON"	Q304	0.08	0	0.85

Leiterplatte Zoom-Motor Printed board diagram (Power zoom)

